



EOTD Briefing for the FCC

E-OTD Briefing for the FCC

> Introduction to CPS

> U.S. E-OTD industry

Infrastructure evolution

Handset evolution

> Current Status

Infrastructure vendor group

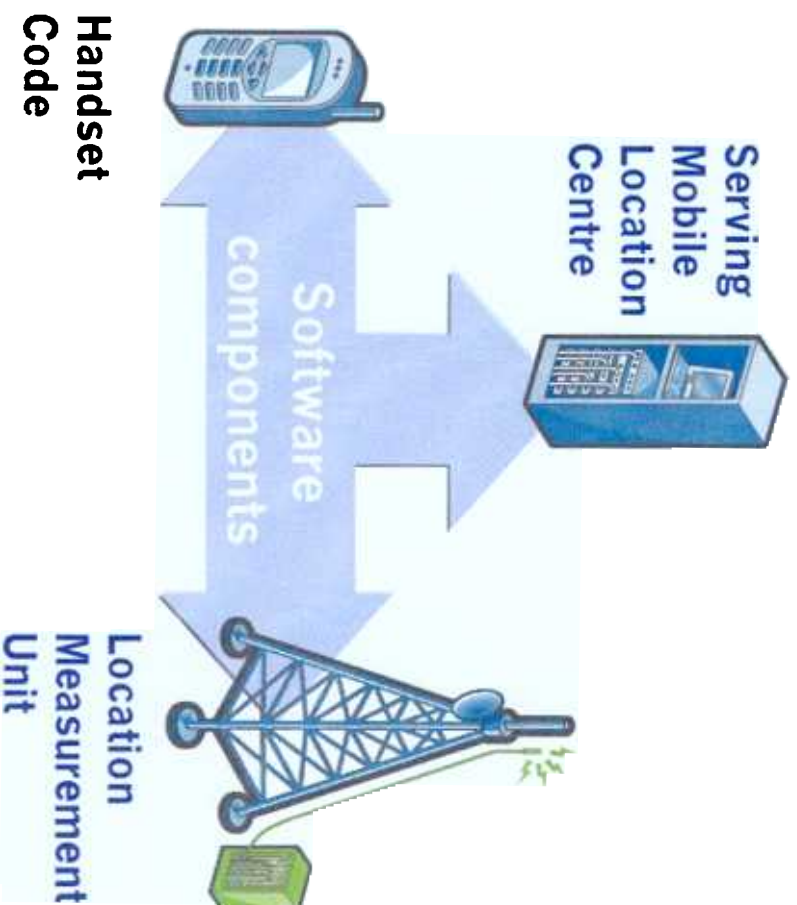
Handset task force

2003 accuracy progress

E-OTD benefits

CPS > Introduction

E-OTD technology enabler:



- > 100+ employees
- > location industry centre of excellence/expertise
- > UK/US/APAC operations
- > shareholders include Intel, Siemens, Infineon, Ericsson
- > 45+ concurrent E-OTD integration projects
- > SMLC/LMU customers include Ericsson, Nortel Networks, Siemens

E OTD > U S vendor comm tment

NORTEL

NOKIA
CONNECTING PEOPLE

SIEMENS

ERICSSON

TEXAS INSTRUMENTS

MOTOROLA
intelligence everywhere

SAMSUNG

ERICSSON

ARM
a subsidiary of
VLSI
Philips Semiconductors

intel

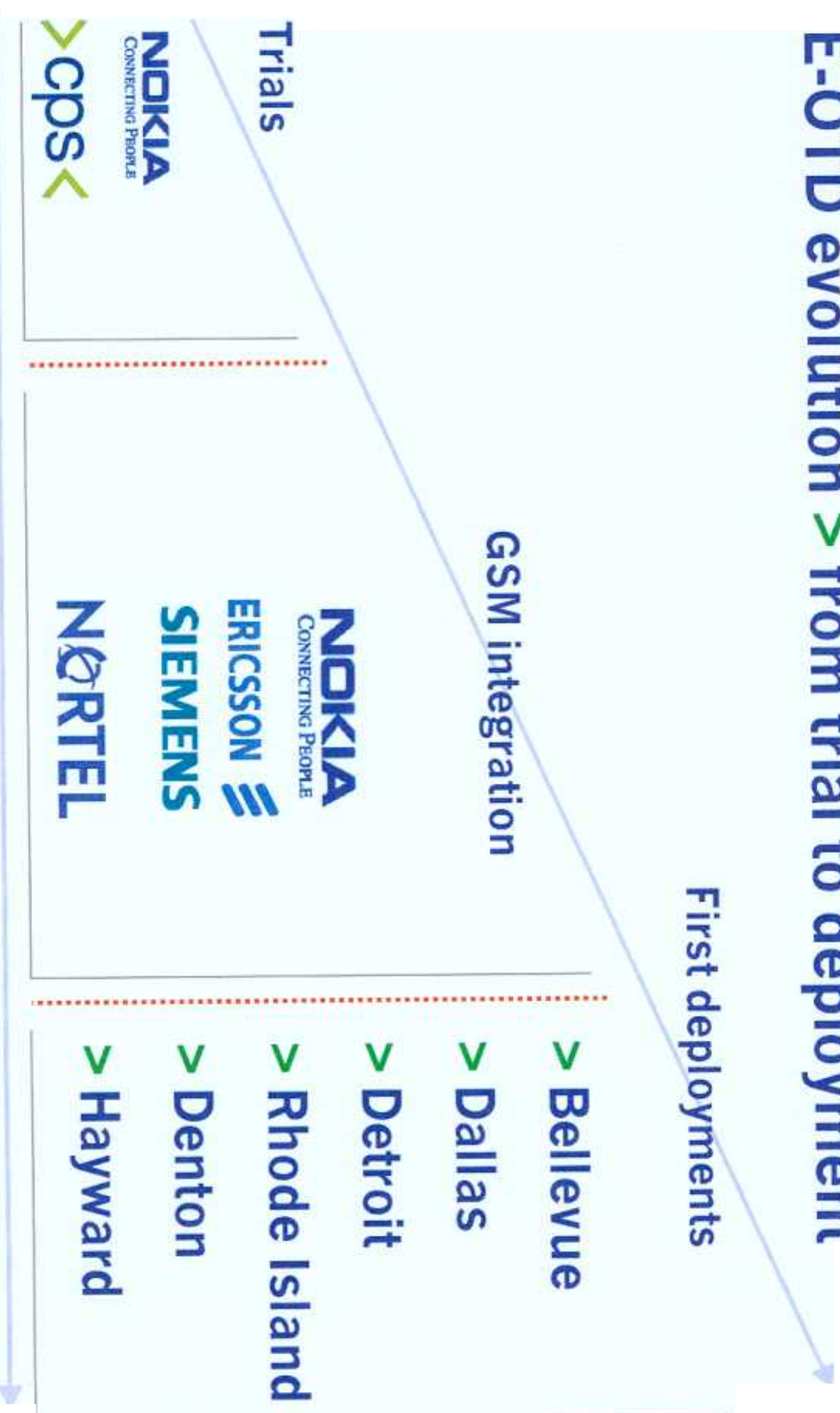
Quantia Computer

Panasonic
NOKIA
CONNECTING PEOPLE

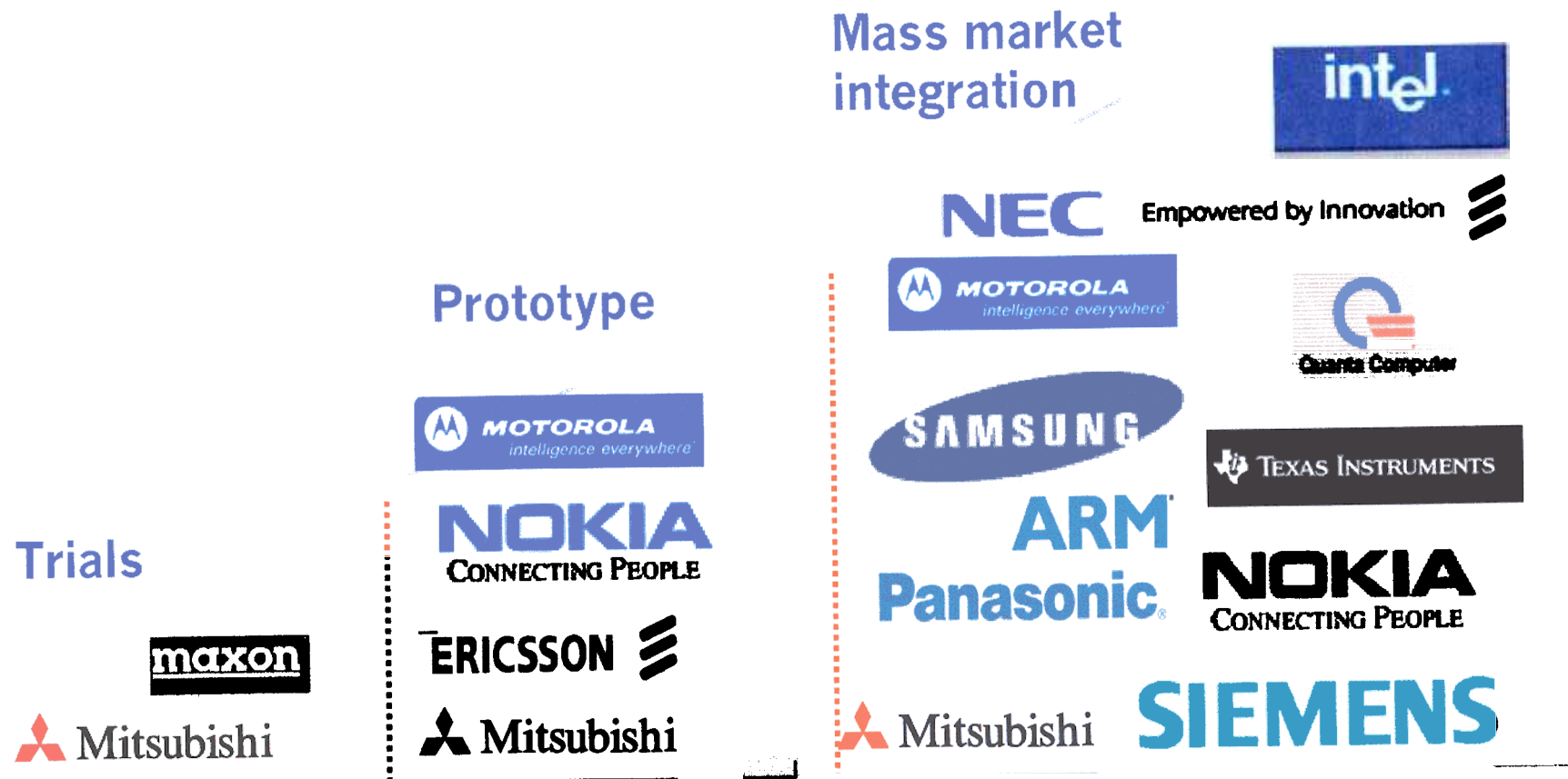
NEC SIEMENS

>cps<

E-OTD evolution > from trial to deployment



E-OTD handsets > trials to commercial rollout



US status > FOAs meeting 2002 requirement



Source: FCC filing 10/3/02

E-OTD industry > commitment to FCC mandate

> Infrastructure Group

ERICSSON 

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SIEMENS

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> “A Joint EOTD Industry Group has been created where technical information regarding EOTD is openly shared amongst the members and where an end-to-end approach is taken involving infrastructure, terminals and network design.”

> “Based on the recent and newly shared EOTD Field Trials results and the areas that have already been identified for improvements, the Joint EOTD Industry Group believes that the EOTD community, with focused efforts from infrastructure vendors, terminal vendors and carriers, should meet the FCC’s 2003 requirements.”

> “Improvements selected by the Joint EOTD Industry Group will focus on eliminating the need for additional cell sites.”

> “The Joint EOTD Industry Group is fully committed to providing products and services capable of achieving the E911 FCC mandates.”

E-OTD industry > commitment to FCC mandate

> Handset Taskforce



> “To expedite the delivery of Phase 2 E911 capable handsets, members of the EOTD Handset Taskforce agreed to exchange test results and share best practices. This level of co-operation is unprecedented within the handset community and demonstrates our commitment to achieving the FCC requirements.”

> “Results from E-OTD field trials indicate progress in deploying the EOTD system solution. With continued research and optimisation of the EOTD system the Taskforce believes that further improvements are readily achievable. Handset vendors have plans in place to support industry efforts that should meet the FCC’s Phase 2 E911 requirements.”

> “The EOTD Handset Taskforce is fully committed to provide products and services capable of supporting the industry efforts to meet FCC’s Phase 2 E911 requirements”

> “The EOTD Handset Taskforce will work closely with the Joint EOTD Industry Group to achieve the above mentioned objectives”

E-OTD technology > 2003 accuracy progress

“...new test results show significant improvements which demonstrate that the E-OTD infrastructure is capable of supporting performance approaching FCC 2003 requirements...”*

50m/67%	150m/95%	Houston * (2001)	59m	98m
		Washington* (2001)	81m	167m
		Cambridge*(2002)	57m	105m

Already, 81% of E-OTD calls are sub 150m in FOAs

Source: *FCC filing 4/1/02 / **vendor trials

E-OTD technology > the technical benefits

- > no detrimental effect on spectrum capacity
- > locates all types of emergency calls including “safety” phones (non-initialized)
- > available in ALL GSM devices
- > provides location for emergency GPRS calls
- > seamless integration into the GSM system
- > fully standardized and supported by the industry
- > operated and managed through standard GSM operations and management systems

Conc us on

- > meeting 2002 requirements based on carrier findings
- > handsets commercially available
- > GSM industry scope and commitment needed for nationwide deployment
- > GSM industry committed to 2003 mandate
- > evidence to achieve 2003 savings
- > industry wide momentum growing
- > building US global leadership in mass communication deployment